

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101828,925A  
Source: IFW16  
Date Processed by STIC: 7-12-06

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/828,925A

DATE: 07/12/2006

TIME: 09:23:12

Input Set : A:\57637.1380.txt  
 Output Set: N:\CRF4\07122006\J828925A.raw

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3 <110> APPLICANT: Cappelletti, et al.
5 <120> TITLE OF INVENTION: Gastrin Releasing Peptide Compounds
7 <130> FILE REFERENCE: 57637-1380
9 <140> CURRENT APPLICATION NUMBER: 10/828,925A
10 <141> CURRENT FILING DATE: 2004-04-20
12 <160> NUMBER OF SEQ ID NOS: 36
14 <170> SOFTWARE: PatentIn version 3.3
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 8
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide is known as
23      bombesin (i.e., BBN (7-14)) and binds to gastrin releasing
24      peptide (GRP) receptors.
27 <220> FEATURE:
28 <221> NAME/KEY: MOD_RES
29 <222> LOCATION: (2)..(2)
30 <223> OTHER INFORMATION: Where positions 3, 4, 6 and 7 are unmodified, may include one
of
31      the following chemical moieties: CSNH, CH2NH or CH=CH
33 <220> FEATURE:
34 <221> NAME/KEY: MOD_RES
35 <222> LOCATION: (3)..(3)
36 <223> OTHER INFORMATION: Where positions 2, 4, 6 and 7 are unmodified, may include one
of
37      the following chemical moieties: CSNH, CH2NH, Aib or CH=CH
39 <220> FEATURE:
40 <221> NAME/KEY: MOD_RES
41 <222> LOCATION: (4)..(4)
42 <223> OTHER INFORMATION: Where positions 2, 3, 6, and 7 are unmodified, may include
one of
43      the following chemical moieties: CSNH, CH2NH or CH=CH
45 <220> FEATURE:
46 <221> NAME/KEY: MOD_RES
47 <222> LOCATION: (6)..(6)
48 <223> OTHER INFORMATION: Where positions 2, 3, 4 and 7 are unmodified, may include one
of
49      the following chemical moieties: CSNH or CH=CH
51 <220> FEATURE:
52 <221> NAME/KEY: MOD_RES
53 <222> LOCATION: (7)..(7)
54 <223> OTHER INFORMATION: Where positions 2, 3, 4 and 6 are unmodified, may include one
of

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55 the following chemical moieties: CSNH, CH<sub>2</sub>NH or CH=CH  
57 <400> SEQUENCE: 1  
59 Gln Trp Ala Val Gly His Leu Met  
60 1 5

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63 <210> SEQ ID NO: 2  
64 <211> LENGTH: 8  
65 <212> TYPE: PRT  
66 <213> ORGANISM: Artificial  
68 <220> FEATURE:  
69 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
73 <220> FEATURE:  
74 <221> NAME/KEY: MOD\_RES  
75 <222> LOCATION: (8)..(8)  
76 <223> OTHER INFORMATION: M-NH2  
78 <400> SEQUENCE: 2  
80 Glu Trp Ala Val Gly His Leu Met  
81 1 5  
84 <210> SEQ ID NO: 3  
85 <211> LENGTH: 13  
86 <212> TYPE: PRT  
87 <213> ORGANISM: Artificial  
89 <220> FEATURE:  
90 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
91 <220> FEATURE:  
95 <221> NAME/KEY: MOD\_RES  
96 <222> LOCATION: (13)..(13)  
97 <223> OTHER INFORMATION: M-NH2  
99 <400> SEQUENCE: 3  
101 Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Met  
102 1 5 10  
105 <210> SEQ ID NO: 4  
106 <211> LENGTH: 13  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Artificial  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
112 <220> FEATURE:  
116 <221> NAME/KEY: MOD\_RES  
117 <222> LOCATION: (13)..(13)  
118 <223> OTHER INFORMATION: M-NH2  
120 <400> SEQUENCE: 4  
122 Gln Arg Tyr Gly Asn Gln Trp Ala Val Gly His Leu Met  
123 1 5 10  
126 <210> SEQ ID NO: 5  
127 <211> LENGTH: 13  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Artificial  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide

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136 <220> FEATURE:  
137 <221> NAME/KEY: MOD\_RES  
138 <222> LOCATION: (13)..(13)  
139 <223> OTHER INFORMATION: M-NH2  
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143 Gln Lys Tyr Gly Asn Gln Trp Ala Val Gly His Leu Met  
144 1 5 10  
147 <210> SEQ ID NO: 6  
148 <211> LENGTH: 7  
149 <212> TYPE: PRT  
150 <213> ORGANISM: Artificial  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
157 <220> FEATURE:  
158 <221> NAME/KEY: MOD\_RES  
159 <222> LOCATION: (7)..(7)  
160 <223> OTHER INFORMATION: L-NH-Pentyl  
162 <400> SEQUENCE: 6  
164 Gln Trp Ala Val Gly His Leu  
165 1 5  
168 <210> SEQ ID NO: 7  
169 <211> LENGTH: 7  
170 <212> TYPE: PRT  
171 <213> ORGANISM: Artificial  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
175 <220> FEATURE:  
179 <221> NAME/KEY: MOD\_RES  
180 <222> LOCATION: (5)..(5)  
181 <223> OTHER INFORMATION: D-Ala  
183 <220> FEATURE:  
184 <221> NAME/KEY: MOD\_RES  
185 <222> LOCATION: (7)..(7)  
186 <223> OTHER INFORMATION: M-NH2  
188 <400> SEQUENCE: 7  
190 Gln Trp Ser Val His Leu Met  
191 1 5  
194 <210> SEQ ID NO: 8  
195 <211> LENGTH: 8  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Artificial  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
201 <220> FEATURE:  
205 <221> NAME/KEY: MOD\_RES  
206 <222> LOCATION: (8)..(8)

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207 <223> OTHER INFORMATION: L-NH2  
209 <400> SEQUENCE: 8  
211 Gln Trp Ala Val Gly His Leu Leu  
212 1 5  
215 <210> SEQ ID NO: 9  
216 <211> LENGTH: 8  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Artificial  
220 <220> FEATURE:  
221 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
222 <220> FEATURE:  
225 <220> FEATURE:  
226 <221> NAME/KEY: MOD\_RES  
227 <222> LOCATION: (5)..(5)  
228 <223> OTHER INFORMATION: bAla  
230 <220> FEATURE:  
231 <221> NAME/KEY: MOD\_RES  
232 <222> LOCATION: (8)..(8)  
233 <223> OTHER INFORMATION: Nle-NH2  
235 <400> SEQUENCE: 9  
237 Gln Trp Ala Val Ala His Phe Leu  
238 1 5  
241 <210> SEQ ID NO: 10  
242 <211> LENGTH: 7  
243 <212> TYPE: PRT  
244 <213> ORGANISM: Artificial  
246 <220> FEATURE:  
247 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
248 <220> FEATURE:  
251 <221> NAME/KEY: MOD\_RES  
252 <222> LOCATION: (7)..(7)  
254 <223> OTHER INFORMATION: L-NH2  
256 <400> SEQUENCE: 10  
258 Gln Trp Ala Gly His Phe Leu  
259 1 5  
262 <210> SEQ ID NO: 11  
263 <211> LENGTH: 8  
264 <212> TYPE: PRT  
265 <213> ORGANISM: Artificial  
267 <220> FEATURE:  
268 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
269 <220> FEATURE:  
272 <221> NAME/KEY: MOD\_RES  
273 <222> LOCATION: (8)..(8)  
275 <223> OTHER INFORMATION: NH2  
277 <220> FEATURE:  
278 <221> NAME/KEY: MOD\_RES

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279 <222> LOCATION: (8)..(8)  
280 <223> OTHER INFORMATION: L-NH2  
282 <400> SEQUENCE: 11  
284 Gln Trp Ala Val Gly His Phe Leu  
285 1 5  
288 <210> SEQ ID NO: 12  
289 <211> LENGTH: 8  
290 <212> TYPE: PRT  
291 <213> ORGANISM: Artificial  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
295 Peptide  
298 <220> FEATURE:  
299 <221> NAME/KEY: MOD\_RES  
300 <222> LOCATION: (8)..(8)  
301 <223> OTHER INFORMATION: M-NH2  
303 <400> SEQUENCE: 12  
305 Leu Trp Ala Val Gly Ser Phe Met  
306 1 5  
309 <210> SEQ ID NO: 13  
310 <211> LENGTH: 8  
311 <212> TYPE: PRT  
312 <213> ORGANISM: Artificial  
314 <220> FEATURE:  
315 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
316 Peptide  
319 <220> FEATURE:  
320 <221> NAME/KEY: MOD\_RES  
321 <222> LOCATION: (8)..(8)  
322 <223> OTHER INFORMATION: M-NH2  
324 <400> SEQUENCE: 13  
326 His Trp Ala Val Gly His Leu Met  
327 1 5  
330 <210> SEQ ID NO: 14  
331 <211> LENGTH: 8  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Artificial  
335 <220> FEATURE:  
336 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting Peptide  
337 Peptide  
340 <220> FEATURE:  
341 <221> NAME/KEY: MOD\_RES  
342 <222> LOCATION: (8)..(8)  
343 <223> OTHER INFORMATION: M-NH2  
345 <400> SEQUENCE: 14  
347 Gln Trp Ala Val Gly His Phe Met  
348 1 5  
351 <210> SEQ ID NO: 15  
352 <211> LENGTH: 7

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 07/12/2006  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:28,29,30,31,32,33,34,35,36

**VERIFICATION SUMMARY**

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